

De Novo Variants in *WDR37* Are Associated with Epilepsy, Colobomas, Dysmorphism, Developmental Delay, Intellectual Disability, and Cerebellar Hypoplasia

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In the originally published version of this article, Figures 3B and 3C included the allele name “sisy” but the correct term is “*wrd37*,” as appears in the rest of the article. In addition, there are two edits in Figure 3A: Thr125 has been highlighted instead of Thr124 and “Patient variants” has been changed to “Protein variants.” All these changes are reflected in the figure below and in the article online. The authors regret these errors.

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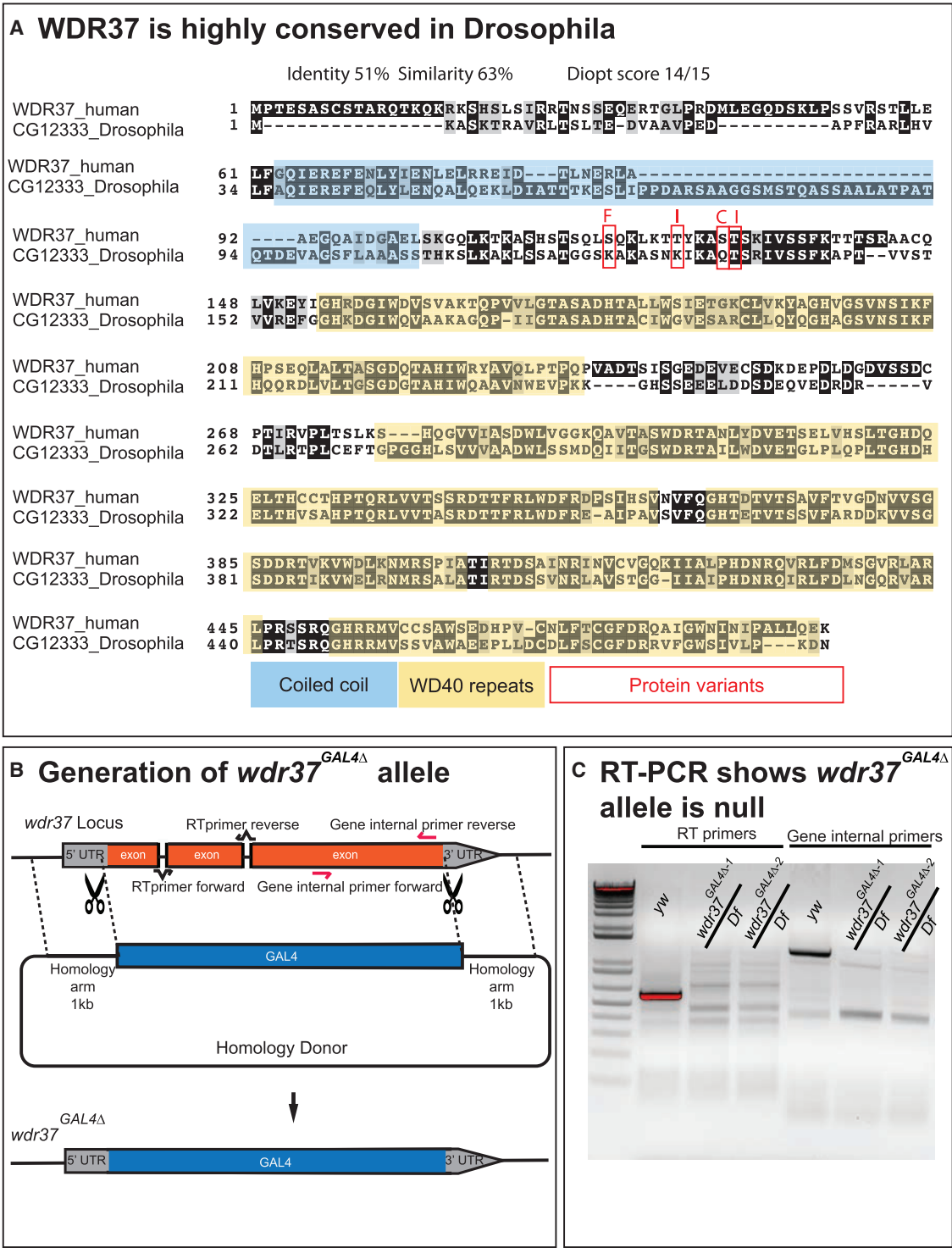


Figure 3. Conservation of WDR37 and Generation of *wdr37*-Null Allele (corrected)

A WDR37 is highly conserved in Drosophila

Identity 51% Similarity 63% Diop score 14/15

WDR37_human	1	MPTESASCSTARQTKQKRKSHSLSI RR TNSSE Q ERTGL PR DMLEGQD SKLP SSV R ST LE
CG12333_Drosophila	1	M-----KASKTRAVRL LSL TE-DVAAVE ED -----APFRAR LHV
WDR37_human	61	LFGQIEREFENLYIENLE LRREID ---TLNERIA-----
CG12333_Drosophila	34	LFAQIEREFEO LYLENQAL QEK LDIATTTKE SLIPDARSAAGGSMSTQASSAALATPAT
WDR37_human	92	----AE GAIDGA E LSK G LKT K ASH S TS Q LS S OK L KTT Y KAS T SK I V SS FK TT TS RAACQ
CG12333_Drosophila	94	QTDEVAG SFLAA ASSTHKS LKA K LS SATGG SKAK ASN KIK A QTS RI V SS FK A PT ---VVST
WDR37_human	148	L VKE Y I G HR D GI W DV S VAK T QP V VL G TAS AD HT ALL WS I ET G K CL V K Y AG H V G S V NS IK F
CG12333_Drosophila	152	V VRE F FG G HK D GI W QV A AK AG QP -I IG TASAD HT ACI W G VE SAR CL O Y Q GH A G S V NS IK F
WDR37_human	208	HPSEQLAL TAS GD Q TAHI W RYAV Q LPT POP VAD TS IS G ED E VE EC SD K DE P DL D G D V SS DC
CG12333_Drosophila	211	HQQRDL V LT G SG D G TA HI W QAA V N WE V PKK ----GHS SE E EL DD S DE Q VED R DR-----V
WDR37_human	268	P T I R V PL TS LKS ---H Q C V V I AS D W L V G G K Q AV TAS W DR TAN L W D V ET S EL V HS L T G H D Q
CG12333_Drosophila	262	D T L R T PL CE FT G PG G H L S V V A AD W L S S M D Q I IT G S W DR T A I L W D V ET G L PL Q PL T G H D H
WDR37_human	325	EL T H C CT H PT Q R L V V TS SR DT T FR L W D FR D PS I HS V N V F Q G H T D T V TS AV F T V G D N V V SG
CG12333_Drosophila	322	EL T H V SA H PT Q R L V V TA SR DT T FR L W D FR E -A I PA V S V F Q G H T E V T SS V F A R D DK V V S G
WDR37_human	385	S D D R T V K V W D L K N M R S P I A T I R T D S A I N R I N V C V G O K I A L PH D N R Q V R L F D M S G V R L A R
CG12333_Drosophila	381	S D D R T I K V W E L R N M R S A L A T I R T D S S V N R L A V S T G G -I I A I PH D N R Q I R L F D I N G Q R V A R
WDR37_human	445	L P R S S R Q G H R R M V C C S A W S E D H P V -C N L F W C G F D R Q A I G W N I N I P A L L O E K
CG12333_Drosophila	440	L P R S S R Q G H R R M V S S V A W A E E P L D C D L F S C G F D R R V F G W S I V L P ---K D N

Coiled coil

WD40 repeats

Patient variants

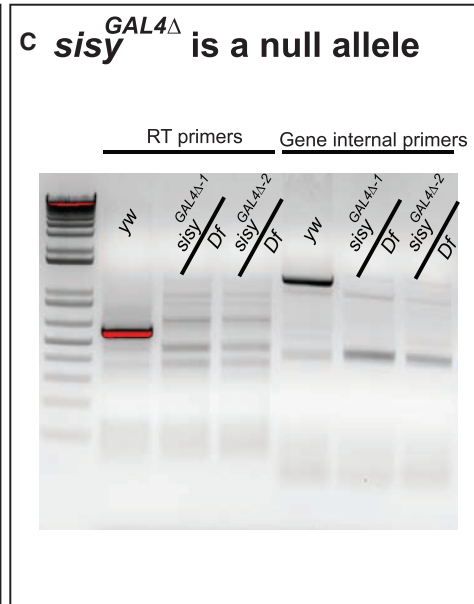
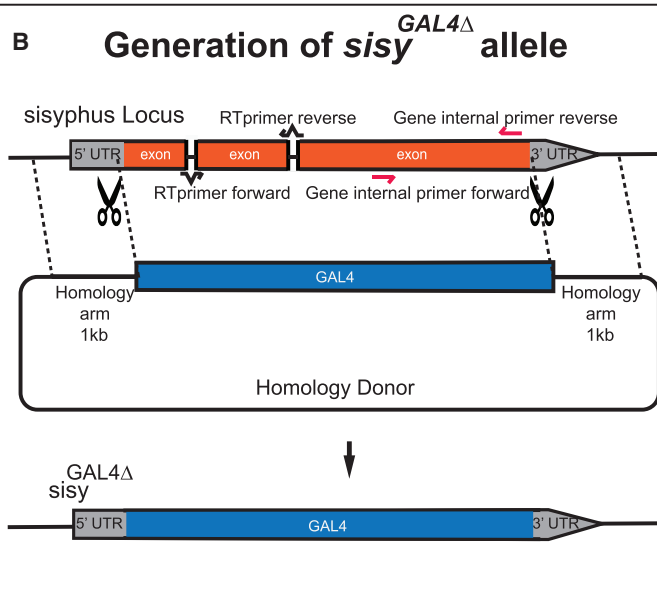


Figure 3. Conservation of *WDR37* and Generation of *wdr37*-Null Allele (original)